


Search Notes 	Application/Control No. 10501395	Applicant(s)/Patent Under Reexamination LICHTENBERG ET AL.
	Examiner Sasan, Aradhana	Art Unit 1615

SEARCHED

Class	Subclass	Date	Examiner
	Classified search not done.	3/25/09	AS
424	405, 70.28	3/1/12	AS
514	554, 642	3/1/12	AS

SEARCH NOTES

Search Notes	Date	Examiner
Inventor Search, IDS Review, EAST and STN (see attached history)	4/13/07 - 4/16/07	AS
Discussed response with L. Channavajjala	1/3/08	AS
Appeals conference with M. Woodward & S. Landau - result - re-open the case. Searched EAST, STN (see attached history for both), internet - Google, Science direct, NPL search for quaternary ammonium, alkanolamines, virucidal.	3/25/09 - 3/26/09	AS
Discussed case with H. Sheikh (2/1/10), patentability conference with B. Wax (2/16/10) conclusion: would be obvious to remove the propellant of Zhou to use as a spray and not an aerosol. Updated EAST search - see attached search history.	2/1/10 - 2/18/10	AS
Updated EAST search (see history).	8/10/11	AS
Updated search. Discussed patentability with B. Wax. Conclusion: case is patentable.	2/29/12	AS
Updated class/subclass, inventor, and interference search.	3/1/12	AS

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner
	(((amine \$dodecylamine \$octylamine didecyldimethylammonium dioctyldimethylammonium octyldicyldimethylammonium cocoalkyldimethylbenzylammonium benzyldimethyloxyethylammonium (quaternary near2 ammonium)) same (alkanolamine \$5ethanolamine (\$2amino near3 propanol))))).clm. and (water and (virucid\$2 or virus or viral or antiviral or (inactivat\$3 near virus))))).clm.	3/1/12	AS

/ARADHANA SASAN/
Examiner.Art Unit 1615

INTERFERENCE SEARCH

Class	Subclass	Date	Examiner
	(((dodecylamine octylamine didecyldimethylammonium dioctyldimethylammonium octyldecyldimethylammonium cocoalkyldimethylbenzylammonium benzyl dimethyloxyethylammonium (quaternary near2 ammonium)) same (alkanolamine ethanolamine (2-amino near3 propanol))))).clm. and (water and (virucid2 or virus or viral or antiviral or (inactivat3 near virus))).clm.	3/1/12	AS

/ARADHANA SASAN/
Examiner.Art Unit 1615